

Step to create spring boot project:

1. Open Eclipse and create gradle project (File -> New -> Gradle Project) say Messenger. then you will get below structure inside Messenger

- src/main/java
- src/test/java
- bin
- gradle
- src
- build.gradle
- gradlew
- gradlew.bat
- settings.gradle

2. create source folder src/main/resources and create following files and directory :

2.1 Directories

db/migration

templates

static // you can add html pages inside this static folder

2.2 Files

application-dev.properties //profile based configuration file

application-prod.properties //profile based configuration file

application-staging.properties //profile based configuration file

application.properties //spring default configuration file

customer.properties //custom property file

logback.xml //for logger

3. Open build.gradle and add following code for dependencies and build:

```
buildscript {  
    ext {  
        springBootVersion = '2.0.3.RELEASE'  
    }  
    repositories {  
        mavenCentral()  
    }  
    dependencies {  
        classpath("org.springframework.boot:spring-boot-gradle-plugin:${springBootVersion}")  
    }  
}
```

```
apply plugin: 'java'  
apply plugin: 'eclipse'  
apply plugin: 'org.springframework.boot'  
apply plugin: 'io.spring.dependency-management'
```

```
sourceCompatibility = 1.8
```

```
repositories {  
    mavenCentral()  
}
```

```
dependencies {  
    compile('org.springframework.boot:spring-boot-starter-data-jpa')  
    compile group: 'org.flywaydb', name: 'flyway-core', version: '5.1.3'  
    compile group: 'com.google.code.gson', name: 'gson', version: '2.8.5'  
    compile('org.springframework.boot:spring-boot-starter-web')  
    runtime('org.springframework.boot:spring-boot-devtools')  
    runtime('mysql:mysql-connector-java')  
    testCompile('org.springframework.boot:spring-boot-starter-test')  
}
```

4. Now create the package structure according to your project inside src/main/java

e.g.

```
com.messenger  
com.messenger.common  
com.messenger.configuration  
com.messenger.controller  
com.messenger.dao.impl  
com.messenger.dao.interfaces  
com.messenger.entity  
com.messenger.filter  
com.messenger.global.exception  
com.messenger.global.validation  
com.messenger.scheduling  
com.messenger.service.impl  
com.messenger.service.interfaces  
com.messenger.utils
```

5. Remember Entry point function class should be in base package i.e. com.messenger

Eg. `/Messenger/src/main/java/com/messenger/MessengerApplication.java` this class contains main function

6. Or else you can generate simple boot project by providing some set of parameter at <https://start.spring.io/>